

DERWENT-ACC-NO: 1999-595304

DERWENT-WEEK: 199952

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TITLE: Plant maintenance operation support  
system - evaluates condition of operation completion  
during preparation of maintenance service and forwards  
evaluation result to host computer via interfacing  
terminal

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PRIORITY-DATA: 1998JP-0057036 (March 9, 1998)

PATENT-FAMILY:

PUB-NO	PAGES	PUB-DATE	MAIN-IPC
JP 11259119 A		September 24, 1999	N/A
018	G05B 023/02		

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
JP 11259119A	N/A	
1998JP-0057036	March 9, 1998	

INT-CL (IPC): G05B015/02, G05B023/02

ABSTRACTED-PUB-NO: JP 11259119A

BASIC-ABSTRACT:

NOVELTY - An evaluation unit (16) in portable computer (3) evaluates the condition of operation completion, during preparation of maintenance service, using the data from data preservation unit (15). The evaluation result recorded in memory (17) is output to a data communication unit (14) for

forwarding the result to host computer (2) via interfacing terminal (5).

DETAILED DESCRIPTION - The host computer (2) manages information about maintenance service and performs assistance corresponding to entire maintenance service. The portable computer (3) transmits on-site information, receives information about a predetermined maintenance work from the host computer and monitors the progress of maintenance service. The interface terminal (5) forwards and controls data communication between the host computer and portable computer.

USE - For supporting maintenance operation such as inspection and repair service of plant e.g. nuclear power plant.

ADVANTAGE - Since information pertaining to maintenance operation is recorded simultaneously in host computer, immediate operation of field equipment is performed, thereby conserving labor and time for operating corresponding to the latest progress situation. By monitoring the maintenance progress situation before operation completion, maintenance service cycle is performed efficiently, thereby offering a highly efficient production control, safe and reliable maintenance service. As wireless communication between the portable computer and host computer is provided, reliable communication is established between operator and the management. DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of plant maintenance operation support system. (2) Host computer; (3) Portable computer; (5) Interfacing terminal; (14) Data communication unit; (15) Data preservation unit; (16) Evaluation unit; (17) Memory.

CHOSEN-DRAWING: Dwg.1/13

TITLE-TERMS: PLANT MAINTAIN OPERATE SUPPORT SYSTEM EVALUATE  
CONDITION OPERATE  
COMPLETE PREPARATION MAINTAIN SERVICE FORWARD  
EVALUATE RESULT HOST  
COMPUTER INTERFACE TERMINAL

DERWENT-CLASS: T06 X14

EPI-CODES: T06-A07A; T06-A08; X14-C05X;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1999-439582